[c3]

[c4]

[c5]

[c6]

## Claims

[c1]	WHAT IS	<b>CLAIMED</b>	IS:

- 1.A method for spelling correction of a phrasal string, comprising: segmenting the phrasal string into a plurality of different segmentations; determining a cost associated with each of the plurality of different segmentations; and identifying a segmentation having a lowest cost corresponding to a most probable correct spelling of the phrasal string.
- [c2] 2.The method as set forth in claim 1, further comprising spell correcting each of the plurality of different segmentations using dictionary looping.
  - 3. The method as set forth in claim 2, wherein dictionary looping further comprises comparing each of the plurality of different segmentations with entries in a phrasal dictionary.
    - 4. The method as set forth in claim 3, wherein the phrasal dictionary is capable of containing phrasal strings including phrases, words and spaces.
    - 5. The method as set forth in claim 2, wherein the cost is a cost of correcting each of the plurality of different segmentations.
    - 6.The method as set forth in claim 1, wherein each of the plurality of different segmentations includes contiguous sub-strings over the phrasal string.
- [c7] 7.The method as set forth in claim 6, further comprising spell correcting substrings of a segmentation using dictionary looping.
- [c8] 8.The method as set forth in claim 7, wherein dictionary looping further comprises performing a looping search through a phrasal dictionary to compare each of the sub-strings with entries in the phrasal dictionary to find an entry having a closest match.
- [c9] 9.The method as set forth in claim 8, further comprising constructing a corrected segmentation using the closest match for each of the sub-strings.

[c10]10.A computer-readable medium containing computer-executable instructions for performing the process recited in claim 1. [c11] 11.A method for spelling correction of a misspelled phrasal string containing words, spaces and characters, comprising: receiving the misspelled phrasal string; dividing the misspelled phrasal string into a plurality of segmentations; comparing each of the plurality of segmentations to entries in a dictionary; and determining a best segmentation from the plurality of segmentations that represents the most probable correct spelling of the misspelled phrasal string. [c12] 12. The method as set forth in claim 11, wherein each of the plurality of segmentations contains sub-strings. [c13] 13. The method as set forth in claim 12, wherein comparing each of the plurality of segmentations to entries in a dictionary is performed by finding a closest match between sub-strings of a segmentation and a dictionary entry. [c14] 14. The method as set forth in claim 11, further comprising determining a cost associated with each segmentation. [c15] 15. The method as set forth in claim 14, wherein the best segmentation is a segmentation having a lowest cost. [c16] 16. The method as set forth in claim 14, wherein hierarchical parameters are used to determine the cost associated with each segmentation. 17. The method as set forth in claim 16, wherein the hierarchical parameters [c17] include at least one of: (a) a length of a dictionary entry; (b) a probability of a dictionary entry given a context of neighboring words of the phrasal string. [c18] 18.A phrasal spelling correction system for spelling correction of a phrasal string, comprising: a segmentation module that divides the phrasal string into a plurality of

segmentations, each of the plurality of segmentation containing sub-strings;

a looping comparator that corrects a segmentation by comparing each of the

[c22]

[c23]

sub-strings of the segmentation with entries in a dictionary to determine a closest match; and an output string containing a corrected segmentation having the lowest cost that represents a correct spelling of the phrasal string.

- [c19] 19.The phrasal spelling correction system as set forth in claim 18, wherein the looping comparator determines a cost associated with each of the plurality of segmentations.
- [c20] 20.The phrasal spelling correction system as set forth in claim 19, further comprising a hierarchical module that provides hierarchical parameters to the looping comparator to determine the cost.
- [c21] 21.The phrasal spelling correction system as set forth in claim 20, wherein the hierarchical parameters include a length of a dictionary entry and a probability of a dictionary entry given a context of neighboring words of the phrasal string.
  - 22. The phrasal spelling correction system as set forth in claim 18, wherein the dictionary is a dynamic phrasal dictionary containing phrasal strings capable of containing words, phrases, characters and spaces.
  - 23. The phrasal spelling correction system as set forth in claim 22, further comprising a dynamic update module that provides dynamic updating of phrasal dictionary entries.